

Fig. 1A

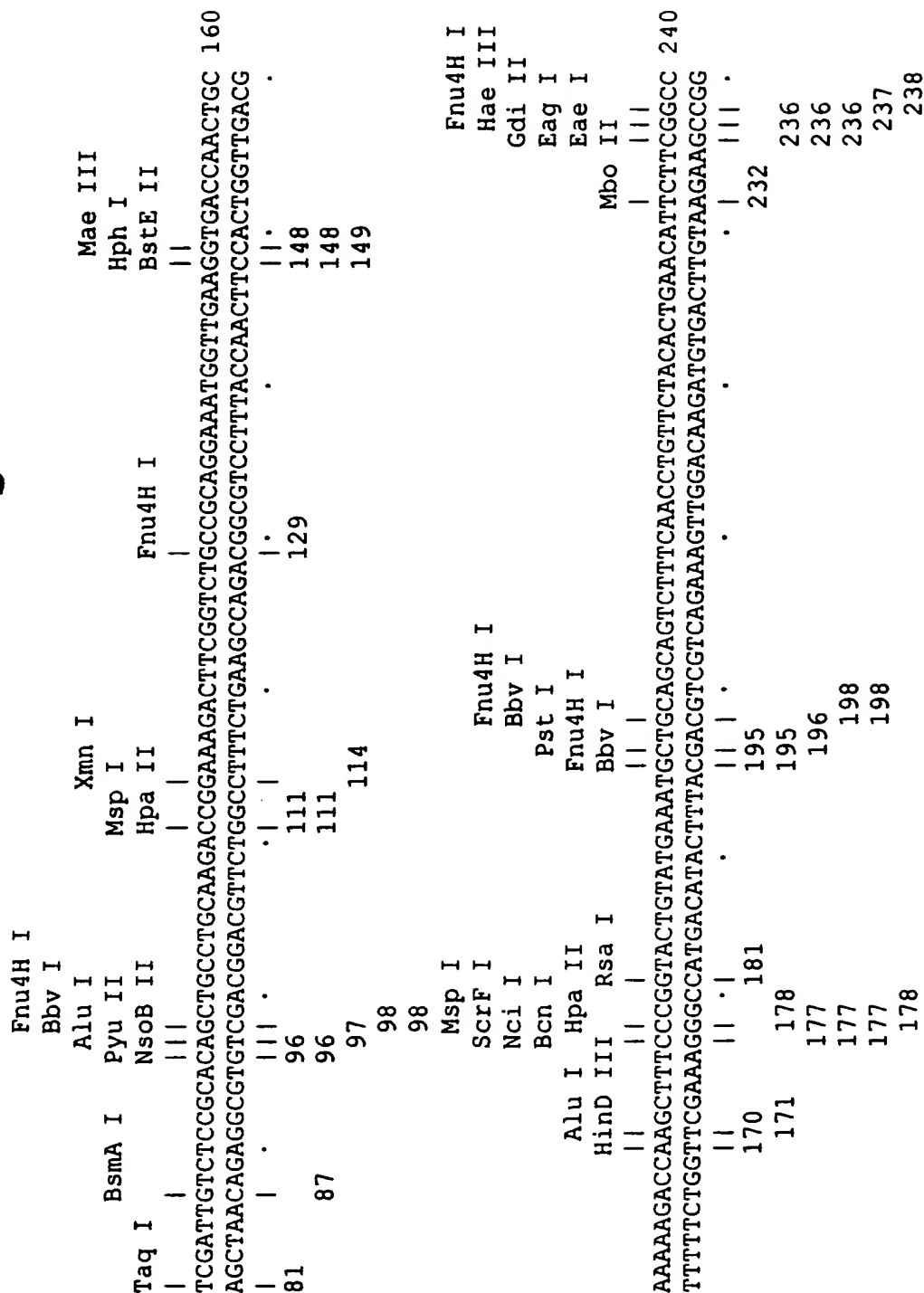
METOTP-1.SEQ4 -> Restriction Map

DNA sequence 540 b.p. ATGTGGTACCAG ... CCGTAAGGTACC linear

[illegible]

002227-0769460

Fig. 1B



[illegible]

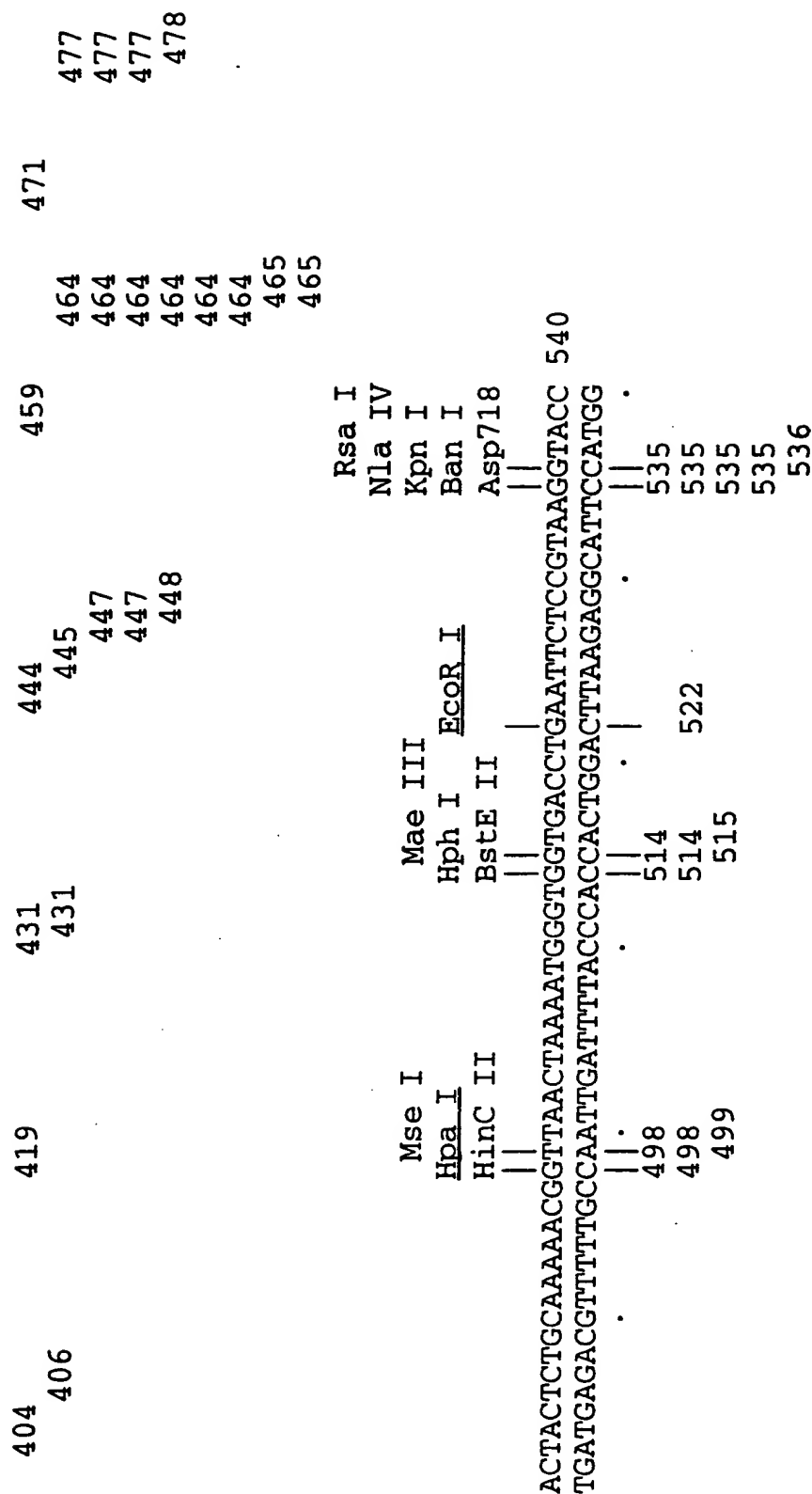
Fig. 10

[illegible]

Fig. 1D

[illegible]

Fig. 1E



00222-63463

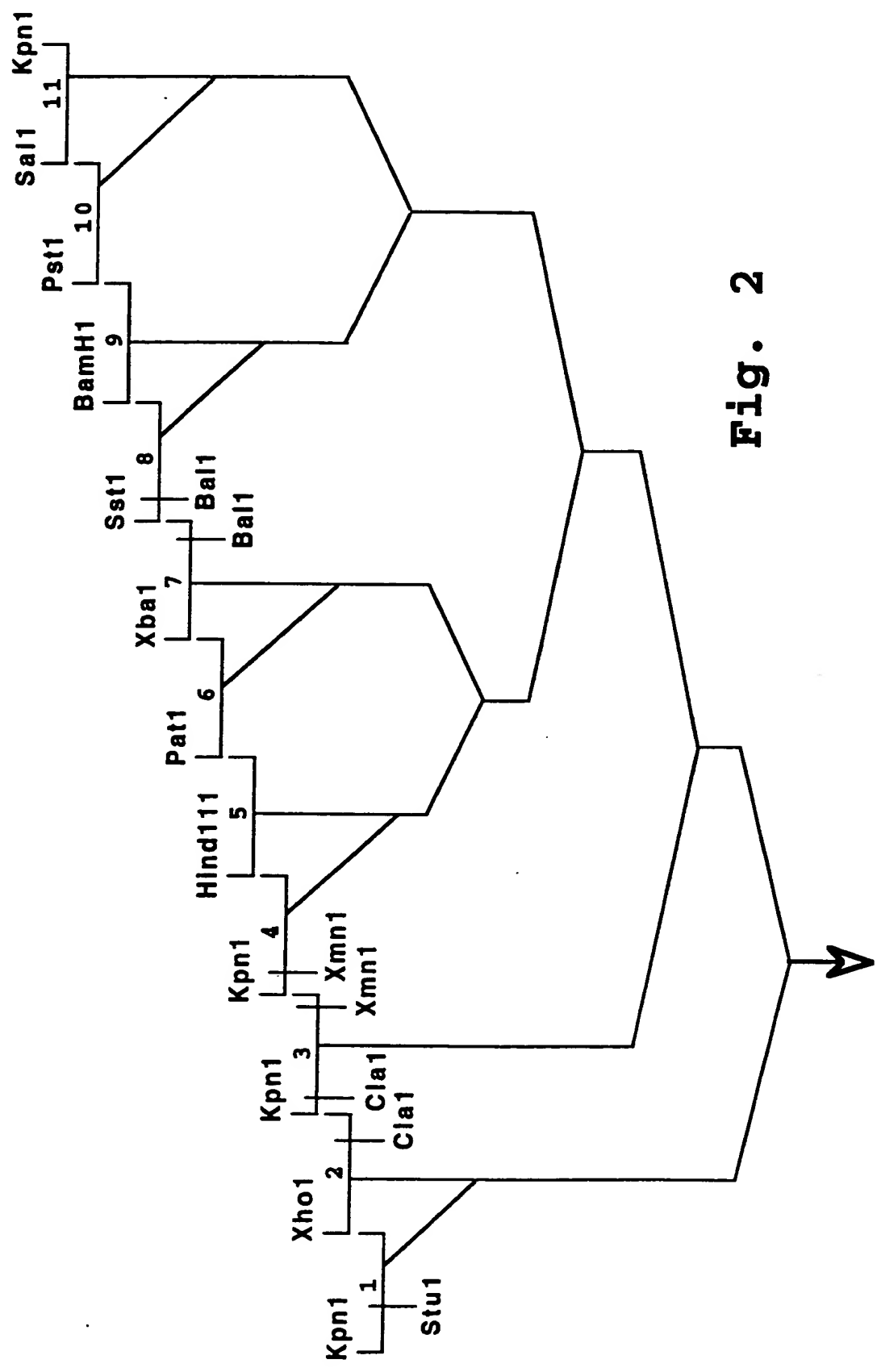


Fig. 2

-23 -9
 met ala phe val leu ser leu leu met ala leu val leu val ser
 oIFNt cccc ATG GCC TTC GTG CTC TCT CTA CTG ATG GCC CTG GTG CTG GTC AGC
 htIFN cccc ATG GCC TTC GTG CTC TCT CTA CTC ATG GCC CTG GTG CTG GTC AGC

 -8 -1 +1 11
 tyr gly pro gly gly ser leu gly cys tyr leu ser arg lys leu met leu asp ala
 TAT GGC CCA GGA GGA TCT CTG GGT TGT TAC CTA TCT CGG AAA CTC ATG CTG GAT GCC
 TAC GGC CCA GGA GGA TCC CTG GGT TGT GAC CTG TCT CAG AAC CAC GTG CTG GTT GGC

 12 20 30
 arg glu asn leu lys leu leu asp arg met asn arg leu ser pro his ser cys leu
 AGG GAG AAC CTC AAG CTC CTG GAC CGA ATG AAC AGA CTC TCC CCT CAT TCC TGT CTG
 AGG AAG AAC CTC AGG CTC CTG GAC GAA ATG AGG AGA CTC TCC CCT CGC TTT TGT CTG

 31 40 49
 gln asp arg lys asp phe gly leu pro gln glu met val glu gly asp gln leu gln
 CAG GAC AGA AAA GAC TTT GGT CTT CCC CAG GAG ATG GTG GAG GGC GAC CAG CTC CAG
 CAG GAC AGA AAA GAC TTC GCT TTA CCC CAG GAA ATG GTG GAG GGC GGC CAG CTC CAG

 50 60 68
 lys asp gln ala phe pro val leu tyr glu met leu gln gln ser phe asn leu phe
 AAG GAC CAG GCC TTC CCT GTG CTC TAC GAG ATG CTC CAG CAG AGC TTC AAC CTC TTC
 GAG GCC CAG GCC ATC TCT GTG CTC CAT GAG ATG CTC CAG CAG AGC TTC AAC CTC TTC

 69 70 80 87
 tyr thr glu his ser ser ala ala try asp thr thr leu leu glu gln leu cys thr
 TAC ACA GAG CAC TCC TCT GCT GCC TGG GAC ACC ACC CTC CTG GAG CAG CTC TGC ACT
 CAC ACA GAG CAC TCC TCT GCT GCC TGG GAC ACC ACC CTC CTG GAG CAG CTC CGC ACT

 88 90 100 106
 gly leu gln gln gln leu asp his leu asp thr cys arg gly gln val met gly glu
 GGA CTC CAA CAG CAG CTG GAC CAC CTG GAC ACC TGC AGG GGT CAA GTG ATG GGA GAG
 GGA CTC CAT CAG CAG CTG GAC AAC CTG GAT GCC TGC CTG GGG CAG GTG ATG GGA GAG

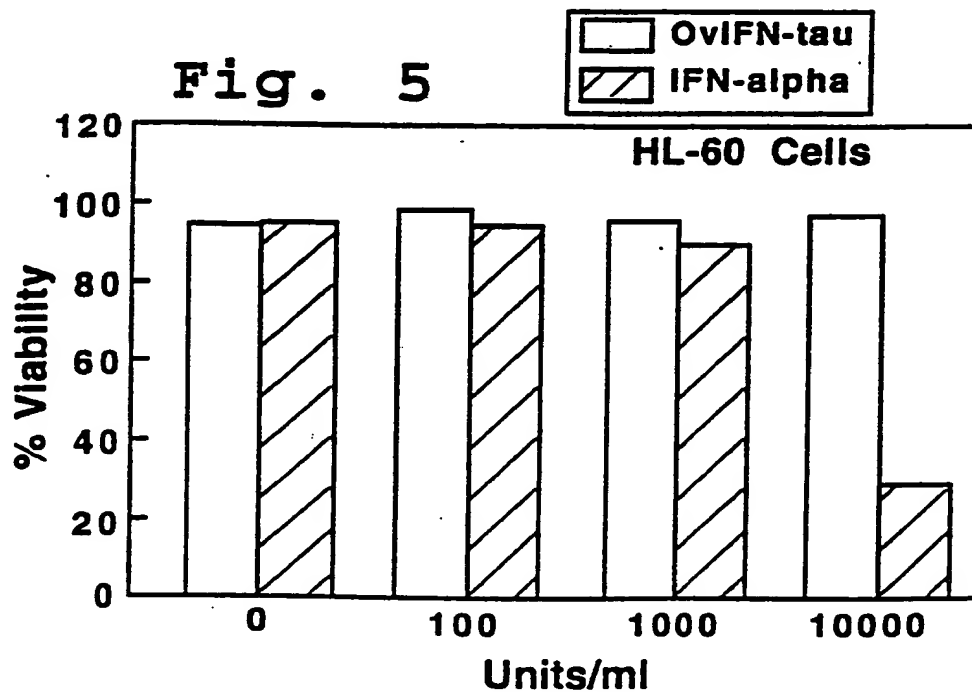
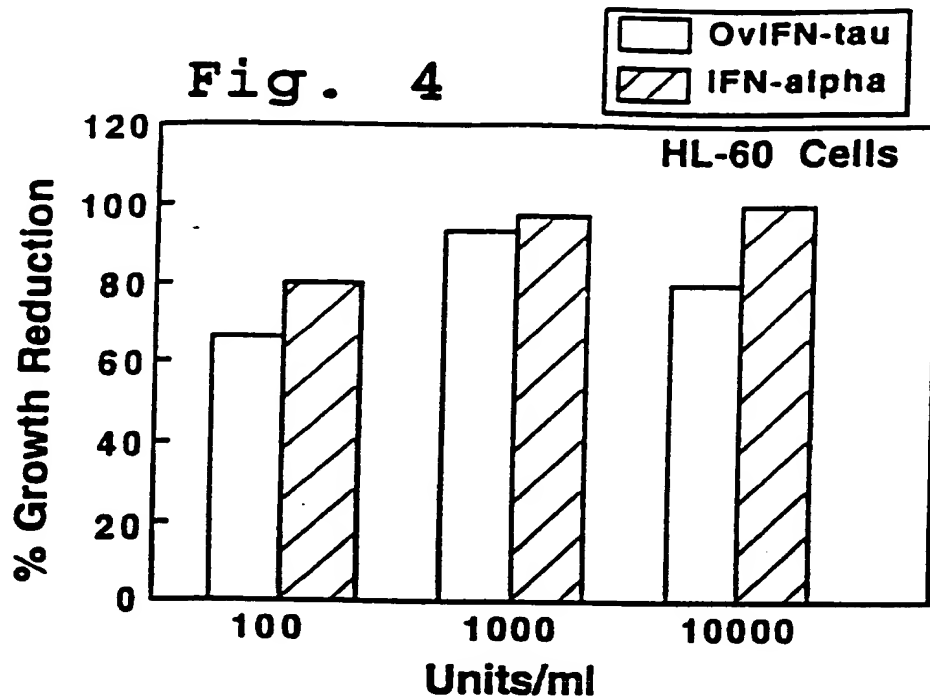
 107 110 120 125
 glu asp ser glu leu gly asn met asp pro ile val thr val lys lys tyr phe gln
 GAA GAC TCT GAA CTG GGT AAC ATG GAC CCC ATT GTG ACC GTG AAG AAG TAC TTC CAG
 GAA GAC TCT GCC CTG GGA AGG ACG GGC CCC ACC CTG GCT CTG AAG AGG TAC TTC CAG

 126 130 140 144
 gly ile tyr asp tyr leu gln glu lys gly tyr ser asp cys ala trp glu ile val
 GGC ATC TAT GAC TAC CTG CAA GAG AAG GGA TAC AGC GAC TGC GCC TGG GAA ATC GTC
GGC ATC CAT GTC TAC CTG AAA GAG AAG GGA TAC AGC GAC TGC GCC TGG GAA ACC GTC

 145 150 160 163
 arg val glu met met arg ala leu thr val ser thr thr leu gln lys arg leu thr
 AGA GTC GAG ATG ATG AGA GCC CTC ACT GTA TCA ACC ACC TTG CAA AAA AGG TTA ACA
AGA CTG GAA ATC ATG AGA TCC TTC TCT TCA TTA ATC AGC TTG CAA GAA AGG TTA AGA

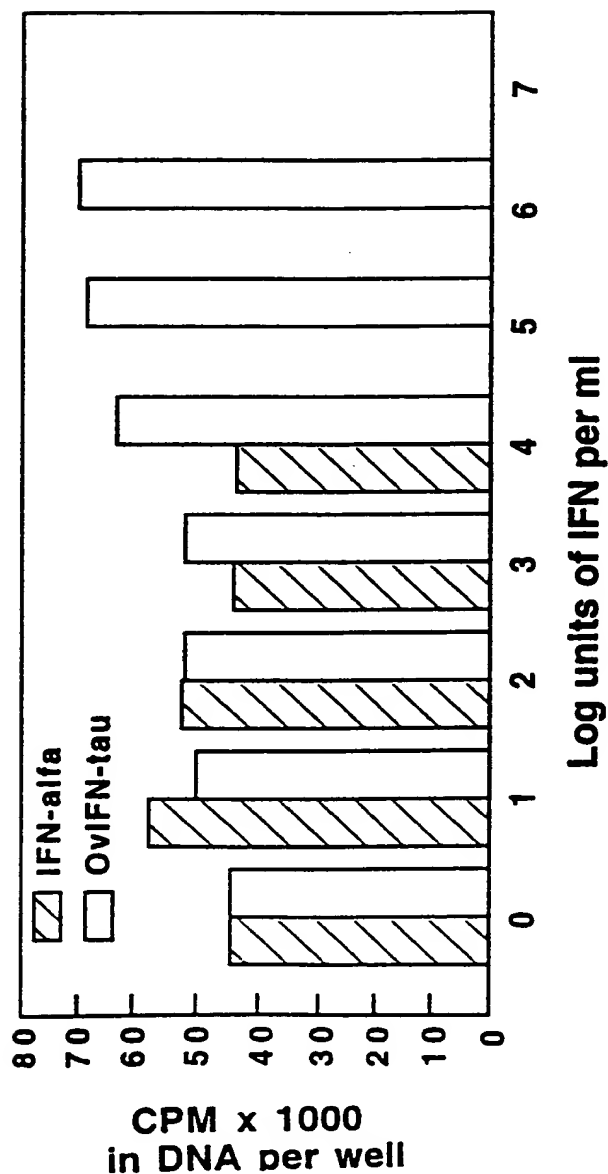
 164 172
 lys met gly gly asp leu asn ser pro end
 AAG ATG GGT GGA GAT CTG AAC TCA CCT TGA
ATG ATG GAT GGA GAC CTG AGC TCA CCT TGA

Fig. 3



00221-01651260

6. **இந்த**



Fr. 8

1
CTGAGATGGGATCAGAGAACCTACCTGAAGGTTCCCCCTGACCCCATCTCAGCCAGCCCAGCAGCAGCCGCATCTTCCCC 80

81
ATG GCC TTC GTG CTC TCT CTA CTG ATG GCC CTG GTG CTG GTC AGC TAT GGC CCA GGA GGA 140
S1 Met Ala Phe Val Leu Ser Leu Leu Met Ala Leu Val Leu Val Ser Tyr Gly Pro Gly Gly S20

141
TCT CTG GGT TGT TAC CTA TCT CGG AAA CTC ATG CTG GAT GCC AGG GAG AAC CTC AAG CTC 200
S21 Ser Leu Gly Cys Tyr Leu Ser Arg Lys Leu Met Leu Asp Ala Arg Glu Asn Leu Lys Leu 17

201
CTG GAC CGA ATG AAC AGA CTC TCC CCT CAT TCC TGT CTG CAG GAC AGA AAA GAC TTT GGT 260
18 Leu Asp Arg Met Asn Arg Leu Ser Pro His Ser Cys Leu Gln Asp Arg Lys Asp Phe Gly 37

261
CTT CCC CAG GAG ATG GTG GAG GGC GAC CAG CTC CAG AAG GAC CAG GCC TTC CCT GTG CTC 320
38 Leu Pro Gln Glu Met Val Glu Gly Asp Gln Leu Gln Lys Asp Gln Ala Phe Pro Val Leu 57

321
TAC GAG ATG CTC CAG CAG AGC TTC AAC CTC TTC TAC ACA GAG CAC TCC TCT GCT GCC TGG 380
58 Tyr Glu Met Leu Gln Gln Ser Phe Asn Leu Phe Tyr Thr Glu His Ser Ser Ala Ala Trp 77

381
GAC ACC ACC CTC CTG GAG CAG CTC TGC ACT GGA CTC CAA CAG CAG CTG GAC CAC CTG GAC 440
78 Asp Thr Thr Leu Leu Glu Gln Leu Cys Thr Gly Leu Gln Gln Gln Leu Asp His Leu Asp 97

441
ACC TGC AGG GGT CAA GTG ATG GGA GAG GAA GAC TCT GAA CTG GGT AAC ATG GAC CCC ATT 500
98 Thr Cys Arg Gly Gln Val Met Gly Glu Glu Asp Ser Glu Leu Gly Asn Met Asp Pro Ile 117

501
GTG ACC GTG AAG AAG TAC TTC CAG GGC ATC TAT GAC TAC CTG CAA GAG AAG GGA TAC AGC 560
118 Val Thr Val Lys Lys Tyr Phe Gln Gly Ile Tyr Asp Try Leu Gln Gln Lys Gly Tyr Ser 137

561
GAC TGC GCC TGG GAA ATC GTC AGA GTC GAG ATG ATG AGA GCC CTC ACT GTA TCA ACC ACC 620
138 Asp Cys Ala Trp Glu Ile Val Arg Val Glu Met Met Arg Ala Leu Thr Val Ser Thr Thr 157

621
TTG CAA AAA AGG TTA ACA AAG ATG GGT GGA GAT CTG AAC TCA CCT TGATGACTCTTGCCGACTA 666
158 Leu Gln Lys Arg Leu Thr Lys Met Gly Gly Asp Leu Asn Ser Pro 172

764
AGATGCCACATCAGCCTCCTACACCCGCTGTGTTTCAATTCAGAAGACTCTGATTTCTGCTCCAGCCACCAAATTCATTG

844
AATTACTTTAGCTGATACTTTGTCTAGTAGTAAAAAGCAAGTAGATATAAAAGTATTCAGCTGTAGGGGCATGAGTCCTGA

924
AATGATGCCTTCCCTGATGTTATCTGTTGCTGATTTATTTATACCTTCTAGCATTTAACATACTTAAAATATTAGGAAAT

972
TTGTTAAGTTACATTTACATCTGTACATCATATTAAAAATTTCTAAACAAAAA

Fig. 7

Fig. 9

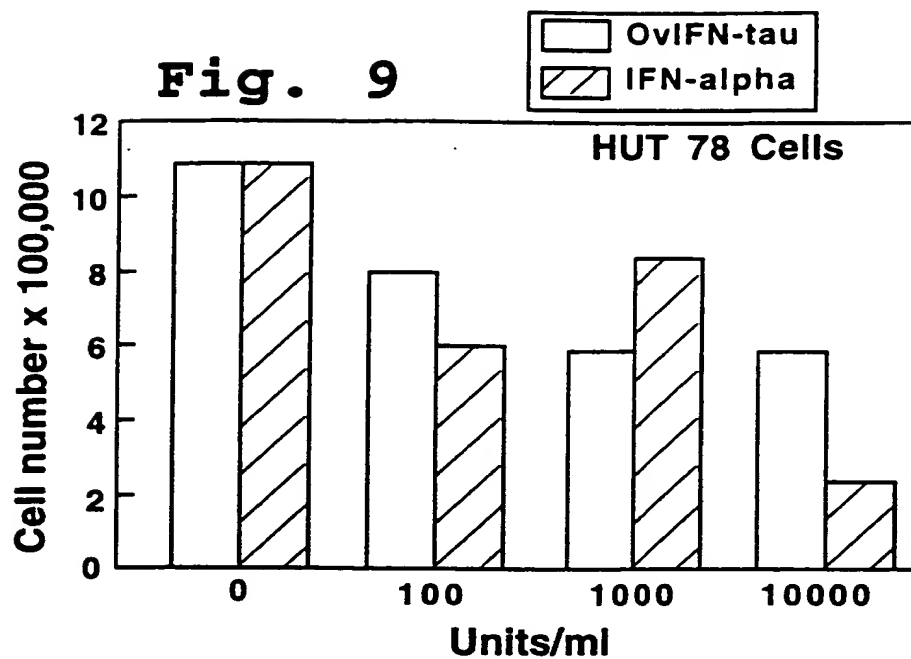


Fig. 10

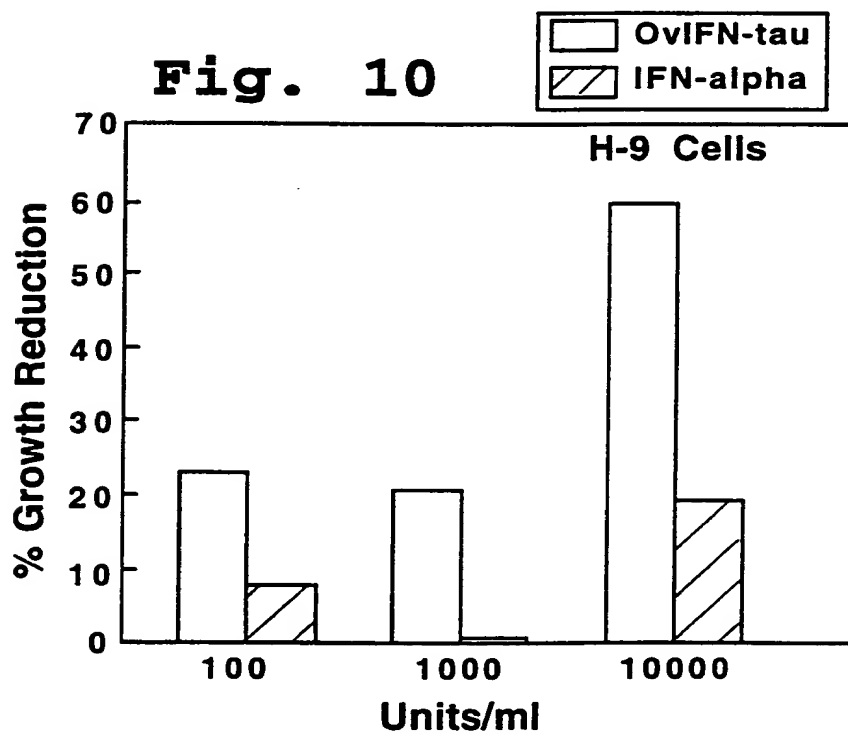


Fig. 11A

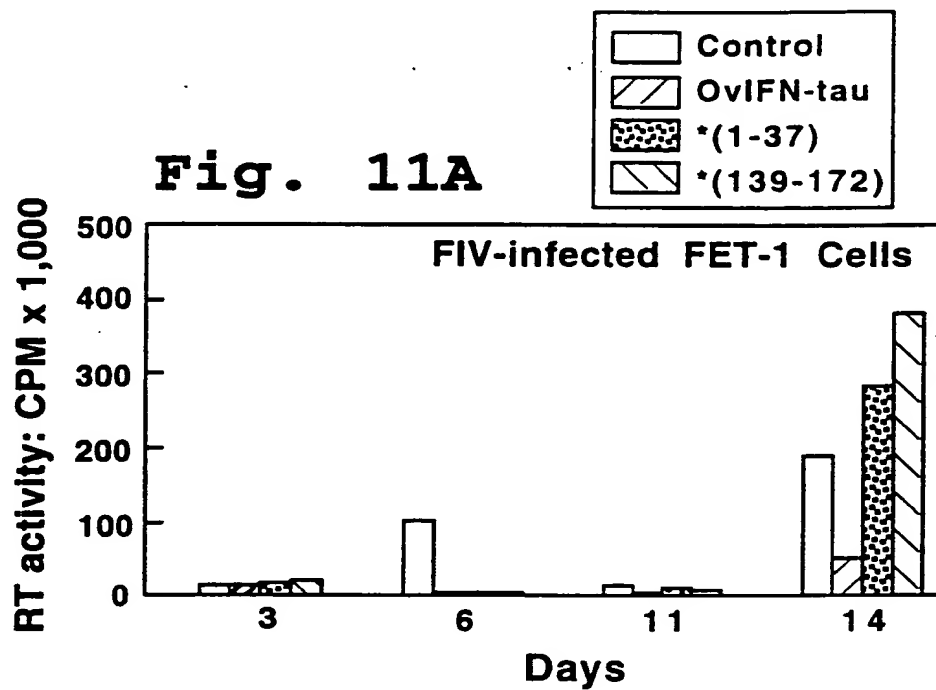


Fig. 11B

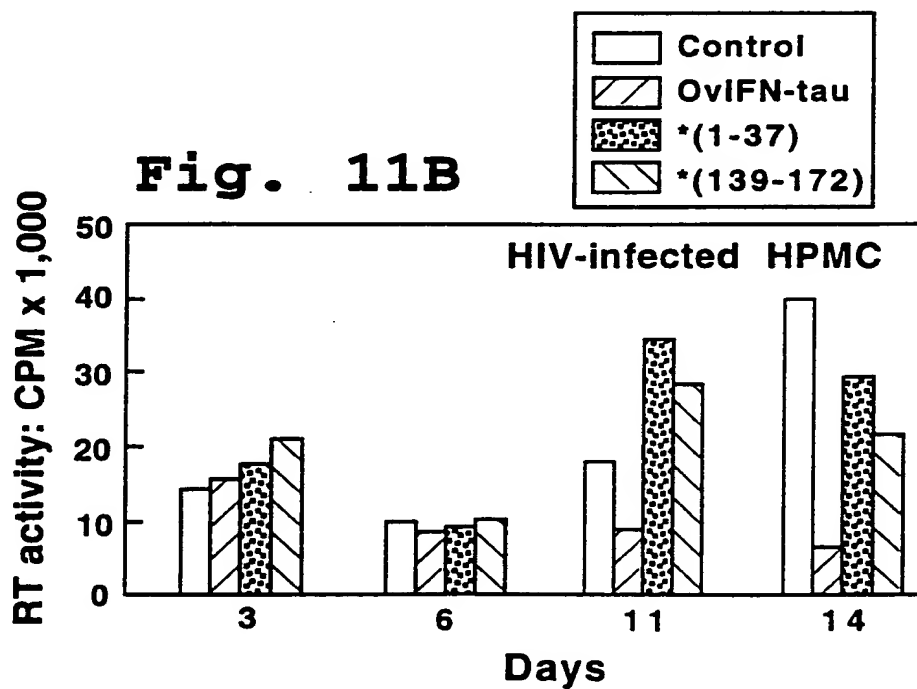


Fig. 12

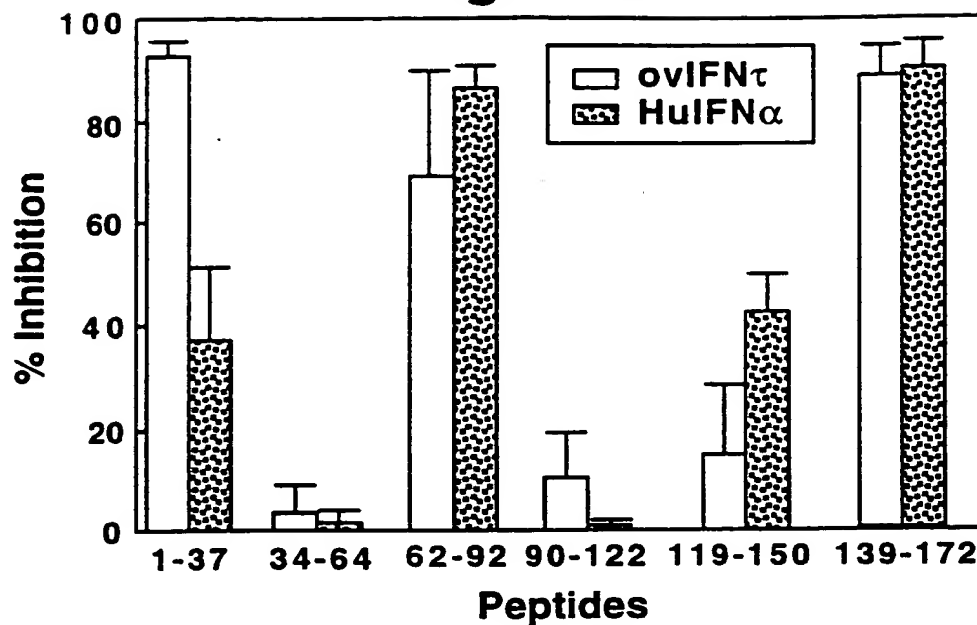


Fig. 13

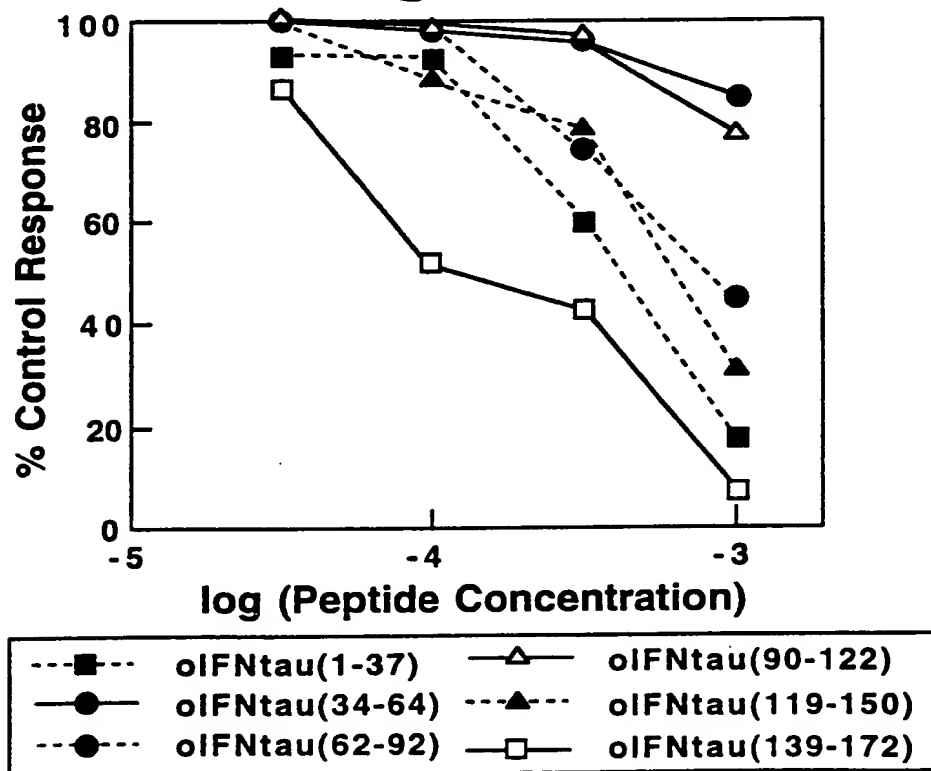


Fig. 14

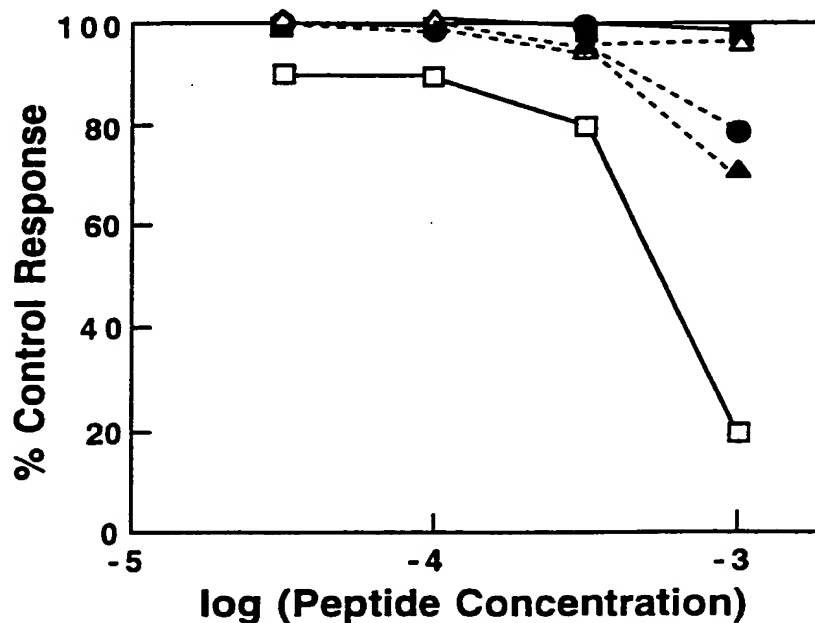
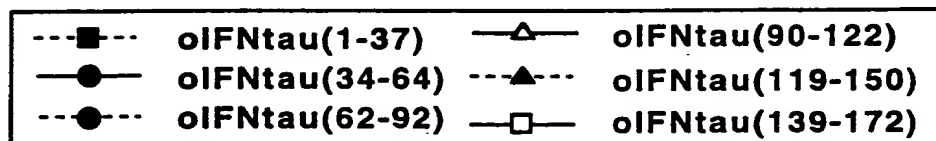
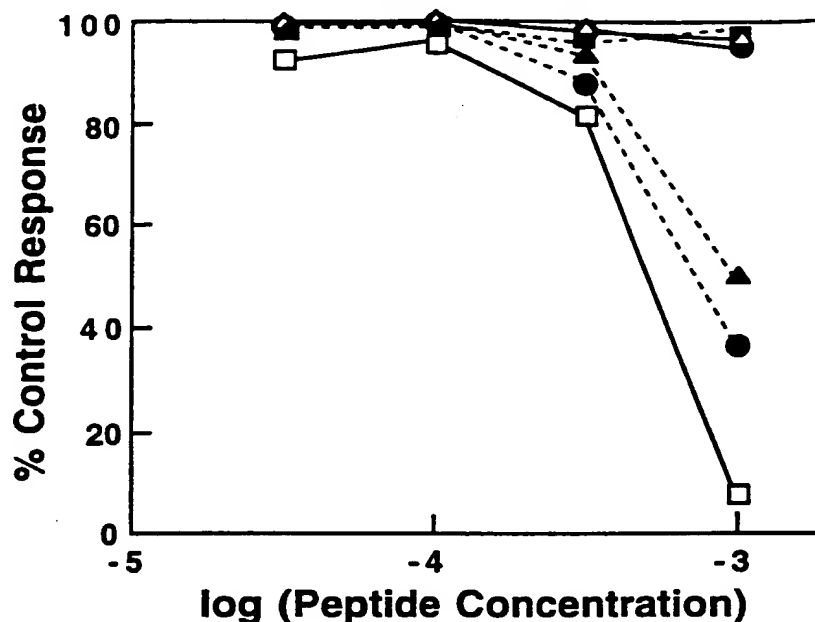


Fig. 15

00221-67694250

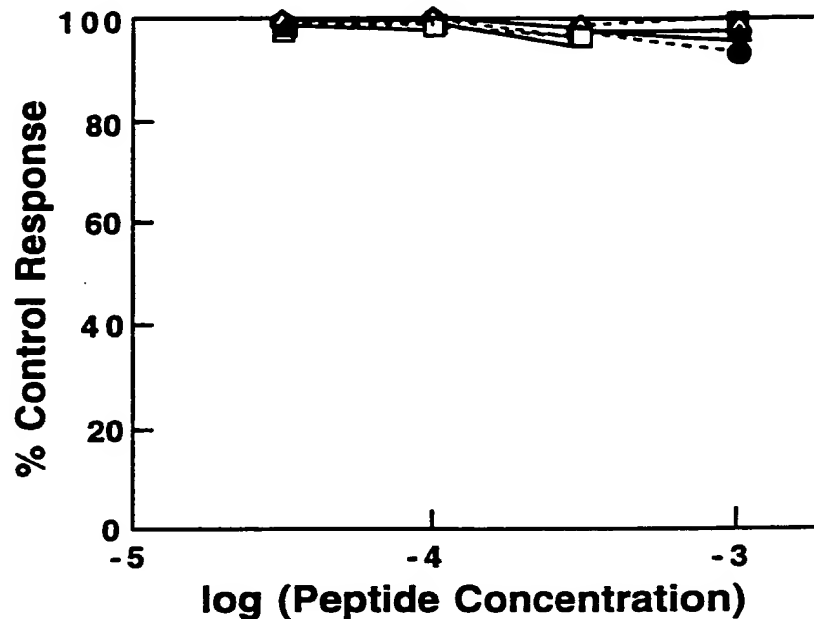
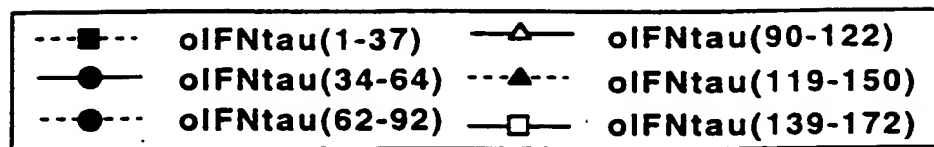


Fig. 16

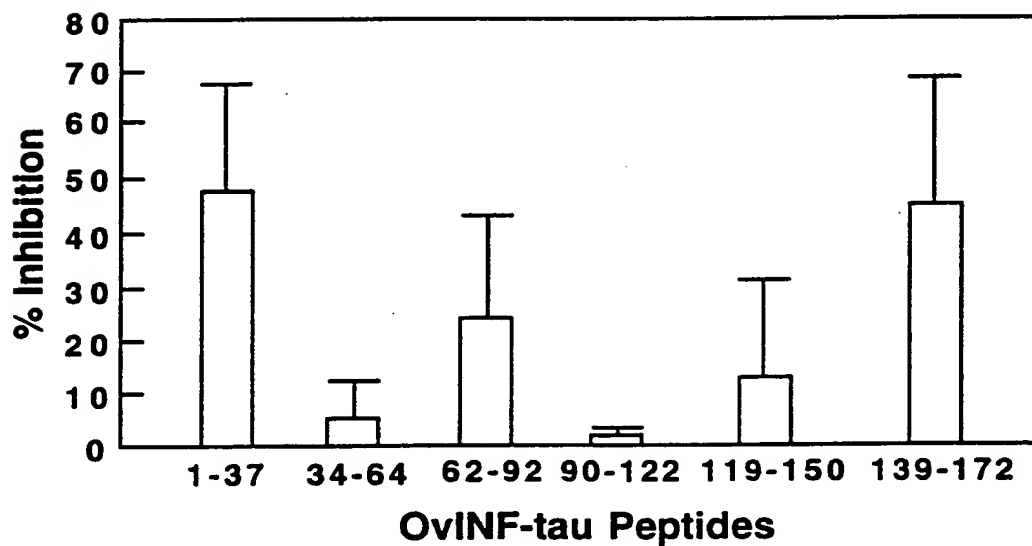


Fig. 17

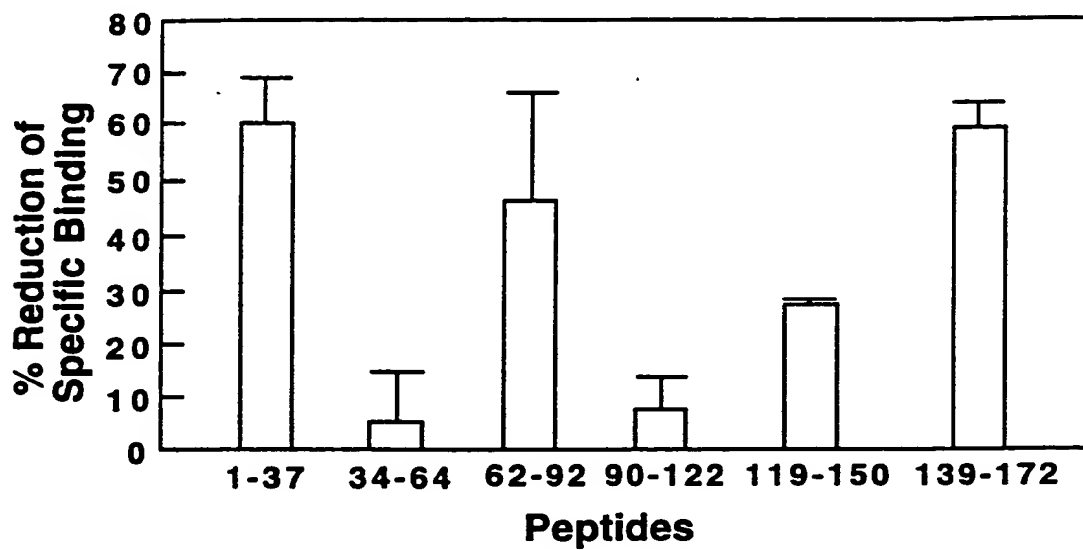


Fig. 18

SECRET 67654260


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-23                                     -9
Met ala phe val leu ser leu leu met ala leu val leu val ser
oINft      cccc ATG GCC TTC GTG CTC TCT CTA CTG ATG GCC CTG GTG CTG GTC AGC
LEXY.5      cccc                                     c
TOSHI.9     cc                                     c
TOSHI.10    cc                                     c

-8                                     -1 +1                                     11
tyr gly pro gly gly ser leu gly cys tyr leu ser arg lys leu met leu asp ala
TAT GGC CCA GGA GGA TCT CTG GGT TGT TAC CTA TCT CGG AAA CTC ATG CTG GAT GCC
c                                     G g A C A G T G
c                                     (---)G g A C A G T G
c g c C G G g A C A G T G

12                                     20                                     30
arg glu asn leu lys leu leu asp arg met asn arg leu ser pro his ser cys leu
AGG GAG AAC CTC AAG CTC CTG GAC CGA ATG AAC AGA CTC TCC CCT CAT TCC TGT CTG
A G GA GG GC TT
A G A GG GC TT
C C G G A GG T GC T

31                                     40                                     49
gln asp arg lys asp phe gly leu pro gln glu met val glu gly asp gln leu gln
CAG GAC AGA AAA GAC TTT GGT CTT CCC CAG GAG ATG GTG GAG GGC GAC CAG CTC CAG
c C t a a G
c C t a TAG a G
c C t a t G
Clone 21 ! t G
Clone 35 ! t G
Clone 15 ! G
Clone 18 ! T AG T

50                                     60                                     68
lys asp gln ala phe pro val leu tyr glu met leu gln gln ser phe asn leu phe
AAG GAC CAG GCC TTC CCT GTG CTC TAC GAG ATG CTC CAG CAG AGC TTC AAC CTC TTC
G C A T C T
G C A T C T
G C A T C
G C A T C
G C A T C A
G C A T T C T

69                                     80                                     87
tyr thr glu his ser ser ala ala try asp thr thr leu leu glu gln leu cys thr
TAC ACA GAG CAC TCC TCT GCT GCC TGG GAC ACC ACC CTC CTG GAG CAG CTC TGC ACT
C C C C C C C CT
C A G t

```

Fig. 19A

88 90 100 106
gly leu gln gln gln leu asp his leu asp thr cys arg gly gln val met gly glu
GGA CTC CAA CAG CAG CTG GAC CAC CTG GAC ACC TGC AGG GGT CAA GTG ATG GGA GAG
T A t G CT g g
T A t G CT g g
T t G t G CT g g C
T t G t G CT g g C
T t G t G CT g g C
T t G G CT g g C
T t G t G t CT g g T CT

107 110 120 125
glu asp ser glu leu gly asn met asp pro ile val thr val lys lys tyr phe gln
GAA GAC TCT GAA CTG GGT AAC ATG GAC CCC ATT GTG ACC GTG AAG AAG TAC TTC CAG
CC a GG C G CC C G T C G
CC a GG C G CC C G T C G
CC a GA C G CC C G A G t
CC a GG C G CC C G A C t
CC a GG C G CC C G A C t
CC a GG C G CC C G GC
CC a GG C G CC C G GC

126 130 140 144
gly ile tyr asp tyr leu gln glu lys gly tyr ser asp cys ala trp glu ile val
GGC ATC TAT GAC TAC CTG CAA GAG AAG GGA TAC AGC GAC TGC GCC TGG GAA ATC GTC
C T A C
C T A
C T A
C T A
C AT
C T
t t
t t
t !
!

145 150 160 163
arg val glu met met arg ala leu thr val ser thr thr leu gln lys arg leu thr
AGA GTC GAG ATG ATG AGA GCC CTC ACT GTA TCA ACC ACC TTG CAA AAA AGG TTA ACA
C G a C T T T TC T T G G G
g a C T T T TC T T G G
C G a C T t g T TC G C G

164 172
lys met gly gly asp leu asn ser pro
AAG ATG GGT GGA GAT CTG AAC TCA CCT TGA
T A c G
T A c G
T A c G

Fig. 19B

Fig. 20A

Fig. 20B

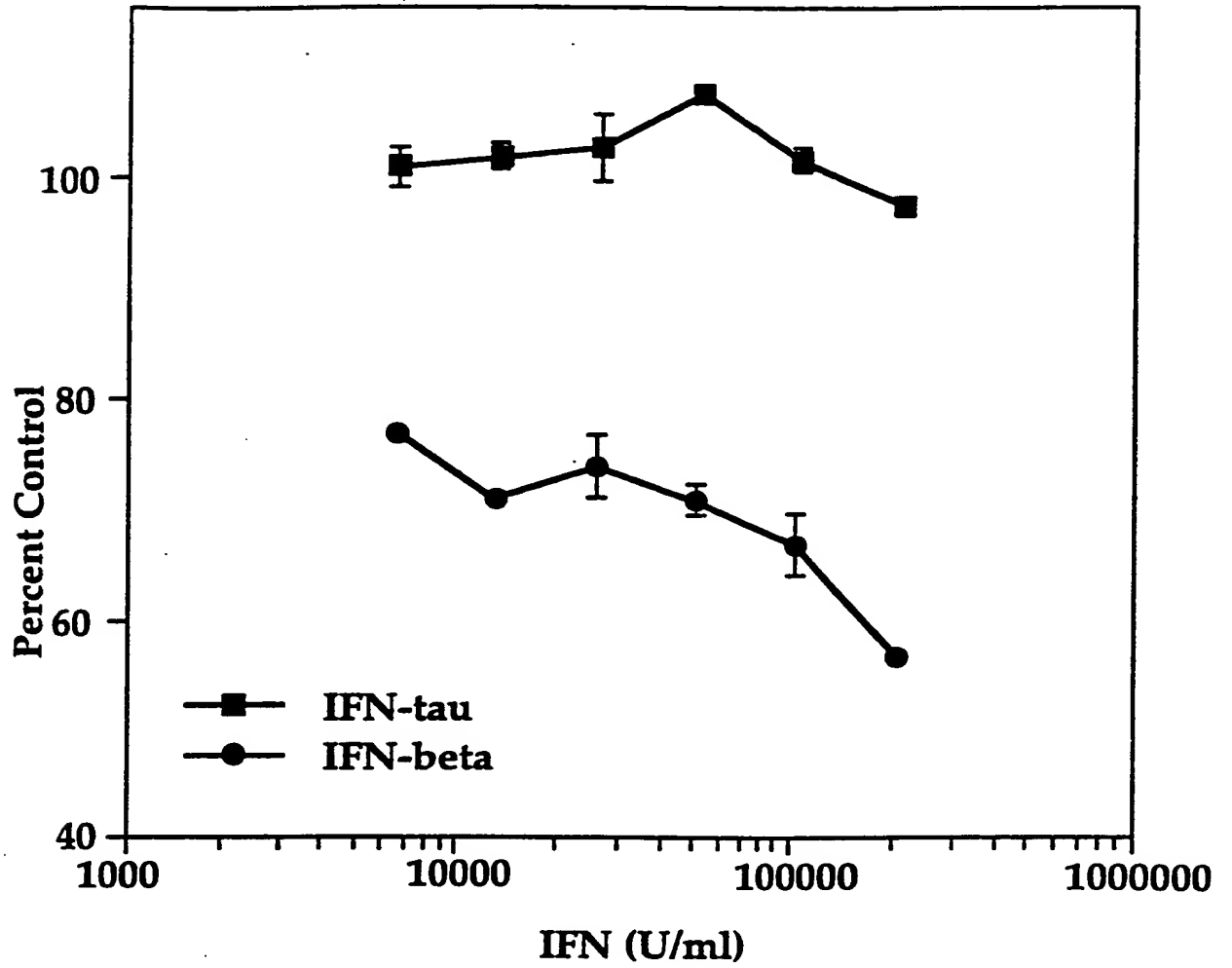


Fig. 21